

PI 560160. *Saccharum hybrid* POACEAE Sugarcane

Donated by: Milligan, S.B., Louisiana Agr. Exp. Sta., Louisiana State University, Baton Rouge, Louisiana 70803, United States; and Agricultural Research Service - USDA; and American Sugar Cane League. **remarks:** LHo 83-153 Sugarcane. Received March 01, 1991.

origin: United States. **developed:** K.P. Bischoff, S.B. Milligan, F.A. Martin, E.O. Dufrene, J.P. Quebedeaux, K.L. Quebedeaux, J.W. Hoy, T.E. Reagan.. **origin institute:** Louisiana Agr. Exp. Sta., Agronomy Department, LSU, 103 M.B. Sturgis Hall, Baton Rouge, Louisiana 70803 United States. **cultivar:** LHo 83-153. **pedigree:** CP 77-405 / CP 74-339. **other id:** CV-91. **source:** Crop Sci. 32(5):1291 1992. **group:** CSR-SUGARCANE. **restricted:** CSR. **remarks:** Yielded well on silt loam & clay textured soils. Equal to CP 703-21 in total recoverable sucrose yield & cane yield in plant-cane crop. Superior to CP 70-321 in 1st & 2nd ratoon crops. High population of stalks similar in stalk weight, number & ratooning ability to CP 74-383. Recoverable sucrose content & maturity intermediate. Fiber content moderate (12.7%). Juice extraction avg. Generally erect, similarly suited to mechanical harvesting as CP 70-321. Res. to spread of sugarcane mosaic virus, smut, rust, & injury by sugarcane borer. Tol. to herbicides used in prod. Cultivar. Cutting.

PI 560161 to 560205. *Carthamus tinctorius* L. ASTERACEAE Safflower

Donated by: Urie, A.L., Agricultural Research Service -- USDA, 1691 So. 2700 W., P.O. Box 307, Aberdeen, Idaho 83210, United States. Received January 28, 1991.

PI 560161 **origin:** United States. **developed:** T.C. Heaton, P.F. Knowles. **origin institute:** California Agr. Exp. Sta., University of California, Davis, California 95616 United States. **cultivar:** UC-148. **pedigree:** Introduction from Afghanistan PI 253914 following treatment of the seedlings with colchicine. **other id:** GP-16. **source:** Crop Sci. 20(4):554 1980. **group:** CSR-SAFFLOWER. **other id:** W6 9814. **remarks:** Plants about 20cm taller than Gila. Leaves & involucre bracts spiny. Heads large. Flowers yellow in bloom stage which turn orange upon drying. Blooms approx. 10 days later than Gila. Seeds have smooth pericarp. Oil content about 30%. Susceptible to rust & verticillium wilt (*Puccinia carthami* & *Verticillium dahliae*). Resistance moderate to fusarium wilt (race 4 of *Fusarium oxysporum*) & phytophthora root rot (*Phytophthora* spp). Male sterility controlled by single nuclear recessive gene (5). Breeding Material. Seed.